

CP-5 Cochlear Implantation in Progressive Hereditary Hearing Loss Caused by Tmprss3 Mutations

Ronald J. E. Pennings^{1,2}, Hendrik P. M. Kunst^{1,2}, Nicole Weegerink^{1,2}, Geert Vanoverschelde^{1,2}, Ronald J. C. Admiraal^{1,2}, Hannie Kremer^{1,2,3,4}, Emmanuel A. M. Mylanus^{1,2}

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CP-6 Nod Signalling in Cholesteatoma

Anke Leichte¹, Markus Daerr², Sylvia Grammerstorff², Martin Lehmann¹, Barbara Wollenberg², Joerg Ebmeyer¹, Holger Sudhoff¹

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Canal-wall-up or down

June 4th, Monday 9:45~11:00 Room 4

Moderators:

Goetz Lehnerdt

Department of Otorhinolaryngology, University of Essen, Germany

Etsuo Yamamoto

Yamamoto Ear Surgi-Center, Japan

O-1-1 Preoperative Middle Ear Aeration Predicting Long-term Aeration in Staged Canal-up Tympanoplasty

Masahiro Komori¹, Naoaki Yanagihara², Yasuyuki Hinohira³, Ryosei Minoda⁴

¹*Department of Otolaryngology, Kochi University, School of Medicine, Nankoku, Japan*

²*Department of Otolaryngology, Takanoko Hospital, Ehime, Japan*

³*Department of Otolaryngology, Showa University, School of Medicine, Tokyo, Japan*

⁴*Department of Otolaryngology, Kumamoto University, School of Medicine, Kumamoto, Japan*

O-1-2 Canal Wall Down Tympanoplasty: A Retrospective Study on 58 Revision Cases

Goetz Lehnerdt¹, Benedikt Otte¹, Klaus Jahnke¹, Stephan Lang¹

¹*ENT-Department, University of Duisburg-Essen, Germany*

O-1-3 Auditory Outcomes in Canal Wall Down Tympanoplasty with Single Stage OssiculoplastyZhihua Zhang¹, Zhaoyan Wang¹, Qi Huang¹, Jun Yang¹, Hao Wu¹¹*Department of Otolaryngology-Head & Neck Surgery, Xinhua Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China***O-1-4 Open Tympanoplasty - Indications and Results**Yasuomi Kunimoto¹, Abdelkader Taibah¹, Giulio Sequino¹, Mario Sanna¹¹*Gruppo Otologico, Piacenza, Italy***O-1-5 Evaluation of Surgical Treatment in Pars Flaccida Cholesteatoma**Tadahiko Wada¹, Michitaka Iwanaga¹, Nobuhiro Hakuba², Yasuyuki Hiratsuka³, Yohei Kumabe³, Takao Yoshida¹, Akihiko Fujita¹¹*Department of Otorhinolaryngology, Kansai Electric Power Hospital*²*Department of Otorhinolaryngology, Head and Neck Surgery, University of Ehime*³*Department of Otorhinolaryngology, Head and Neck Surgery, Osaka Red Cross Hospital, Japan***Pediatric Cholesteatoma****June 4th, Monday 9:45~11:15 Room 5****Moderators:**

Marco Caversaccio

Dept of ORL, Head and Neck Surgery, University of Bern, Switzerland

Yasushi Naito

*Kobe City Medical Center General Hospital, Department of Otolaryngology, Japan***O-2-1 Operative Technique Selection for Pediatric Cholesteatoma**Huan Jia¹, Qi Huang¹, Hao Wu¹, Zhihua Zhang¹, Zhaoyan Wang¹¹*Department of Otolaryngology-Head & Neck Surgery, Xinhua Hospital, Shanghai Jiaotong University School of Medicine, China***O-2-2 Recidivism in Pediatric Cholesteatoma**Byoung Soo Shim¹, Hyun Woo Lim¹, Myung Joo Shim¹, Tae Hyun Yoon¹¹*Department of Otolaryngology, Asan Medical Center, University of Ulsan, Seoul, Korea***O-2-3 Functional Surgery for Pediatric Cholesteatoma: A 25-year Longitudinal Study**Chin-Lung Kuo¹, Chiang-Feng Lien¹¹*Department of Otorhinolaryngology-Head and Neck Surgery, Taipei Veterans General Hospital and National Yang-Ming University School of Medicine, Taipei, Taiwan***O-2-4 Outcomes of Cholesteatoma Surgery in Children**Qi Huang¹, Hao Wu¹, Zhaoyan Wang¹, Zhihua Zhang¹, Jun Yang¹¹*Department of Otolaryngology-Head & Neck Surgery, Xinhua Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China*

O-2-5 Cholesteatoma in Children

Benzamit Makhlouf¹, Meguellati Issam¹, Djarmouni Nabila¹, Allouche Loubna¹,
Khababa Badiss¹, Adjissa Rowaida¹, Aguida Yasser¹, Bouttassetta Brahim¹

¹ENT department of Setif University Hospital, SETIF. ALGERIA

O-2-6 Diagnosis Treatment and Follow-Up of Children with Chronic Otitis Media and Cholesteatoma

Zsolt Farkas, Gábor Katona, Anikó Lorincz, Zsuzsanna Csákányi, Tatjana Majoros,
Mónika Sultész

Dept. of Paediatric ENT, Heim Pál Hospital, Budapest, Hungary

External Auditory Canal**June 4th, Monday 9:45~11:15 Room 6**

Moderators: Martin Fernandez
Clinica de Marly, Columbia
Tamotsu Harada
Kawasaki Medical School, Japan

O-3-1 Clinical Characteristics of Patients with Surgery for External Auditory Canal Cholesteatoma

Kuniyuki Takahashi¹, Yutaka Yamamoto¹, Shinsuke Ohshima¹, Yuka Morita¹,
Sugata Takahashi¹

¹Department of Otolaryngology, Niigata University Faculty of Medicine, Niigata City, Japan

O-3-2 Cholesteatoma of the External Auditory Canal and Acquired Cholesteatoma: Are They the Same Condition?

Arun K. Gadre, MD, FACS

Heuser Hearing Institute Endowed Professor of Otolaryngology & Neurotology University of Louisville, USA

O-3-3 Keratosis Obturans and Middle Ear Disease

Akihiro Shinnabe¹, Mariko Hara¹, Masayo Hasegawa¹, Shingo Matsuzawa¹,
Hiromi Kanazawa¹, Naohiro Yoshida¹, Yukiko Iino¹

¹Saitama Medical Center, Jichi Medical University, Japan

O-3-4 Keratosis Obturans and External Ear Canal Cholesteatoma: Comparison of Clinical Characteristics

Jeong-Hoon Oh¹, So Young Park¹, Woo Jin Kim¹, Sang Won Yeo¹

¹Department of Otolaryngology-Head and Neck Surgery, The Catholic University of Korea, Seoul, Korea

O-3-5 The Long Term Outcomes of Surgery in Patients with Postinflammatory Medial Meatal FibrosisAssia Ghani¹, Micheal Smith¹*¹department of ENT and head and neck surgery, worcester royal hospital, worcester, united kingdom***O-3-6 Two Cases of Epidermal Cysts in the External Auditory Canal**Shio Hironaka¹, Shigefumi Morioka¹, Toru Kamitani¹, Takashi Nakamura¹, Masakatsu Taki¹, Misako Hyogo¹, Hirofumi Sakaguchi¹, Toshihiro Suzuki¹, Yasuo Hisa¹*¹Department of Otolaryngology-Head and Neck Surgery, Kyoto Prefectural University of Medicine, Japan***Imaging****June 4th, Monday 13:10~14:10 Room 4**

Moderators:

Bradley Welling

Department of Otolaryngology Head & Neck Surgery, The Ohio State University, Columbus, Ohio, USA

Nozomu Mori

*Faculty of Medicine, Kagawa University, Japan***O-4-1 A Presurgical Classification of Ear Disease Based on High Resolution CT Scan of the Temporal Bone**Daniel M Kaplan¹*¹Dept. of Otolaryngology Head and Neck Surgery, Soroka University Medical Center, Israel***O-4-2 Cancelled****O-4-3 Three-Dimensional Modeling of the Temporal Bone for Surgical Training**David Bakhos¹, Alain Robier^{1,2}, Soo Kim¹, Stephane Velut^{2,3}, Emmanuel Lescanne^{1,2}*¹ENT department, 37000 Tours, CHRU de Tours, France**²Tours University, Faculty of medicine, 37044 Tours, France**³Laboratory of anatomy, faculty of medicine, 37044 Tours, France***O-4-4 Clinical Support System in Using iPhone as Remote Image Diagnostic. - For Otorhinolaryngology -**Manabu Komori¹, Hiroyuki Takao², Hiromi Kojima¹, Yuichiro Yaguchi¹, Hiroshi Moriyama¹*¹Department of Otorhinolaryngology, The Jikei University School of Medicine, Tokyo, Japan**²Department of Neurosurgery, The Jikei University School of Medicine, Tokyo, Japan*

O-4-5 Application of Image Fusion with CT and DW MRI for Cholesteatoma in ChildrenHiroko Monobe¹, Hitoshi Tojima², Koutarou Nakajima³¹*NTT Medical Center Tokyo, Japan*²*Tojima ENT clinic, Japan*³*Hitachi General Hospital, Japan***O-4-6 Cancelled****Congenital Cholesteatoma 1****June 4th, Monday 13:10~14:10 Room 5****Moderators:**

Michael Gaihede

Department of Otolaryngology, Head & Neck Surgery, Aalborg Hospital, Aarhus University Hospital, Denmark

Kazunori Nishizaki

*Okayama University, School of Medicine, Japan***O-5-1 Pediatric Congenital Cholesteatoma Presenting as Refractory Acute Otitis Media-A Case Report**Tzuchin Huang¹¹*Hsinchu Cathay General Hospital, Hsinchu City, Taiwan***O-5-2 Congenital Cholesteatoma of the Middle Ear**Iori Takata^{1,2}, Giuliano Sequino², Yusuke Takata^{1,2}, Shailendra Sivalingam², Alessandra Russo², Abdelkader Taibah², Mario Sanna²¹*Tohoku University, Japan*²*Gruppo Otologico, Piacenza, Italy***O-5-3 Congenital Mastoid Cholesteatoma**Anna Lisa Giannuzzi^{1,2}, Paul Merkus², Abdelkader Taibah¹, Maurizio Falcioni¹¹*Gruppo Otologico, Piacenza, Italy*²*Department of Otorhinolaryngology & Head and Neck Surgery VU University Medical Centre, Amsterdam, The Netherlands***O-5-4 A Treatment of Congenital Cholesteatoma Located on the Anterosuperior Quadrant.**Koichi Kure¹, Kazuo Matsui¹, Takayuki Ota¹, Yoshihiko Esu¹¹*The Department of Otorhinolaryngology, Seireiyokohama Hospital, Japan*

Vestibular Disease**June 4th, Monday 13:10~14:10 Room 6****Moderators:** Won-Sang Lee*Department of Otolaryngology Yonsei University Health System, Korea*

Nobuhiko Furuya

*Gunma University Graduated School of Medicine, Japan***O-6-1 Surgical Management of Meniere Disease**Ying Chen¹, Jun Yang¹, Qi Huang¹, Zhaoyan Wang¹, Zhihua Zhang¹, Hao Wu¹*¹Department of Otolaryngology-Head & Neck Surgery, Xinhua Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China***O-6-2 Intratympanic Dexamethasone Injections: Are They Effective for Long-term Control of Vertigo.**Abobakr S. Behery¹, Fathi A. Erfan¹, Ahmed M. Hamad¹*¹Otolaryngology-Head & Neck Surgery Dep., Tanta University, Egypt***O-6-3 A Case of Hyperpneumatization of Temporal Bone Presenting with Vertigo**Mamoru Suzuki¹, Yoko Ohta¹, Koji Otuka¹, Yasuo Ogawa¹*¹Department of Otolaryngology, Tokyo Medical University, Tokyo, Japan***O-6-4 How Do We Diagnose and Treat the Superior Semicircular Canal Dehiscence Syndrome**Meiho Nakayama¹, Keiji Takemura¹, Shingo Murakami¹*¹The Department of Otolaryngology, Nagoya City University, Nagoya, Japan***Congenital Cholesteatoma 2****June 4th, Monday 14:45~15:45 Room 5****Moderators:** Ashkan Monfarred*George Washington University, USA*

Noriaki Takeda

*University of Tokushima, School of Medicine, Japan***O-7-1 Congenital Cholesteatoma among Schoolage Children in Hearing Screening Program**Piotr H. Skarzynski^{1,2}, Krzysztof Kochanek¹, Henryk Skarzynski¹, Anna Piotrowska¹, Maciej Mrowka¹, Wieslaw W. Jdrzejczak¹, Maciej Ludwikowski¹, Lech Sliwa¹, Adam Pilka¹*¹International Center of Hearing and Speech, Institute of Physiology and Pathology of Hearing, Warsaw, Poland**²Institute of Sensory Organs, Kajetany, Poland*

O-7-2 Open-type Congenital Cholesteatoma: Differential Diagnosis for Conductive HL with a Normal TMSe-Hyung Kim¹, Yang-Sun Cho², Won-Ho Chung², Sung Hwa Hong²¹*Department of Otorhinolaryngology, Jeju National University Hospital, Jeju, Korea*²*Sungkyunkwan University School of Medicine, Samsung Medical Center, Korea***O-7-3 Congenital Middle Ear Cholesteatoma: Clinical Features, Surgical Outcome**Hun Yi Park¹, Hye Jin Lim¹, Yun-Hoon Choung¹, Keehyun Park¹¹*Department of Otolaryngology, Ajou University School of Medicine, Suwon, Republic of Korea***O-7-4 Congenital Cholesteatoma in Children. Recognition, Surgical Management and Postoperative Care**Piotr H. Skarzynski^{1,2}, Maciej Mrowka¹, Henryk Skarzynski¹, Marek Porowski¹¹*International Center of Hearing and Speech, Institute of Physiology and Pathology of Hearing, Warsaw, Poland*²*Institute of Sensory Organs, Kajetany, Poland***Facial Nerve****June 4th, Monday 14:45~15:45 Room 6**

Moderators:

Badr Eldin Mostafa

ENT department- Faculty of Medicine- University of Alexandria, Egypt

Shingo Murakami

*Nagoya City University, Japan***O-8-1 Analysis Temporal Branch of Facial Nerve on Various Facelift Incision: An Anatomic Study**Karapinar Ugur¹, Cenk Kilic², Muzaffer Durmus³, Bilal Cetin⁴¹*Bursa Asker Hastanesi Kulak Burun Bogaz Servisi Bursa/TURKEY*²*GATA Anatomi ABD Etlik/Ankara/TURKEY*³*Bursa Asker Hastanesi Plastik Cerrahi Servisi Bursa/TURKEY*⁴*Gumussuyu Asker Hastanesi Kulak Burun Bogaz Servisi Bursa/TURKEY***O-8-2 Continuous Facial Nerve Stimulating Burr for Otological Surgeries**Daniele Bernardeschi¹, Alexis Bozorg Grayeli¹, Michel Kalamarides¹, Olivier Sterkers¹¹*AP-HP, Hosp Beaujon, ENT Department, France***O-8-3 Botox for Facial Synkinesis and Hypertrophy with Half-mirror Biofeedback Rehabilitation.**Jin Kim¹¹*The reparation of otorhinolaryngology, Inje University, Ilsan, Korea*

O-8-4 A Case of Cholesterol Granuloma with Facial Nerve Paralysis Following the Translabyrinthine Surgery

Kyoko Odagiri¹, Masashi Hamada¹, Masato Shibuya¹, Masahiro Iida¹

¹*Department of Otolaryngology, Tokai University, Isehara, Japan*

Tympanoplasty and Myringoplasty June 5th, Tuesday 9:00~10:15 Room 4

Moderators: Konrad Schwager

Department of Otorhinolaryngology, Head and Neck Surgery, Klinikum Fulda, Germany

Taeko Okuno

Mitsui Memorial Hospital, Japan

O-9-1 Type IV Tympanoplasty for Patients with Severed Tensor Tympani Tendon during Cholesteatoma Surgery

Takehisa Saito¹, Takechiyo Yamada¹, Norihiko Narita¹, Hideyuki Yamamoto¹,

Masafumi Sakashita¹, Seita Kubo¹, Dai Suzuki¹, Kazuhiro Ogi¹, Masafumi Kanno¹,

Shigeharu Fujieda¹

¹*Department of Otolaryngology, Head & Neck Surgery, Japan*

O-9-2 Onlay Tympanoplasty: Experience with 38 Patients

Jiaying Liu¹, Eu Chin Ho¹, Seng Beng Yeo¹

¹*Department of Otolaryngology, Head and Neck Surgery, Singapore*

O-9-3 Pediatric Myringoplasty

Emiko Takahashi¹, Yasuo Mishiro¹, Akiko Sakaguchi¹, Hirokazu Katsura¹, Osamu Adachi¹,

Masafumi Sakagami¹

¹*Department of Otolaryngology, Hyogo College of Medicine, Japan*

O-9-4 Efficacy of Tympanoplasty without Mastoidectomy on MRSA-infected Chronic Otitis Media

Hyungchae Yang¹, Si-young Jo¹, Eun-sun Jeon¹, Chul-Ho Jang¹

¹*Department of Otolaryngology-Head and Neck Surgery, Chonnam National University Hospital, Gwangju, Korea*

O-9-5 Human Nasal Epithelial Cell Sheet Using Temperature-responsive Culture Insert for Transplantation

Yuichiro Yaguchi¹, Takanori Hama¹, Kazuhisa Yamamoto¹, Hiromi Kojima¹,

Masayuki Yamato², Hiroshi Moriyama¹

¹*Department of Oto-Rhino-Laryngology, Jikei University School of Medicine, Japan*

²*Institute of Advanced Biomedical Engineering and Science Tokyo Women's Medical University, Japan*

Ossiculoplasty 1**June 5th, Tuesday 9:00~10:00 Room 5**

Moderators: John L. Dornhoffer
University of Arkansas for Medical Sciences, USA
 Yutaka Yamamoto
Niigata University, Faculty of Medicine, Japan

O-10-1 Ossiculoplasty in Chronic Ear Surgery: Omega Connector, Experimental and Clinical Results

Alexander M. Huber¹
¹*Otolaryngology, Head and Neck Surgery, University Hospital, Zurich, Switzerland*

O-10-2 Ossiculoplasty of Small Crus Longum Defects with Bone Cement

Jacob Tauris¹, Chris L Jacobsen¹, Kjell Tveteraas¹, Michael Gaihede¹
¹*Department of Otolaryngology, Head and Neck Surgery Aalborg Hospital, Aarhus University Hospital, Denmark*

O-10-3 The Utility of Cartilage with Connecting Tissue for Tympanoplasty.

Nobuhiro Hakuba¹, Kiofumi Gyo¹
¹*Ehime University School of Medicine, Ehime, Japan*

O-10-4 Full-thickness Cartilage Tympanoplasty: Postoperative Results

Fumie Kaneko¹, Hiroshi Sunose¹
¹*Department of Otorhinolaryngology, Tokyo Women's Medical University Medical Center East, Tokyo, Japan*

Petrous Bone Cholesteatoma**June 5th, Tuesday 9:00~9:45 Room 6**

Moderators: Hao Wu
Ear Institute Shanghai Jiaotong University School of Medicine/Department of Otolaryngology Head & Neck Surgery, Xinhua Hospital Shanghai Jiaotong University School of Medicine, China
 Takashi Nakagawa
Fukuoka University, School of Medicine, Japan

O-11-1 Dilemma in Management of the Massive Petrous Apex Cholesteatoma

Masashi Hamada¹, Horoaki Nakatani², Kyoko Odagiri¹, Atsushi Harimaya¹, Masahiro Iida¹
¹*Department of Otolaryngology, Tokai University, School of Medicine, Isehara, Japan*
²*Tochigi Cancer Center, Japan*

O-11-2 Clinical Experiences of Cholesteatomas Involving Petrous Bone

Min Ju Kim¹, Yun Sook Ahn¹, Byoung Soo Shim¹, Min Seok Jang², Yang Sun Cho²,
Jong Woo Chung¹

¹*Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea*

²*Department of Otorhinolaryngology-Head and Neck Surgery, Sungkyunkwan University School of Medicine, Samsung Medical Center, Seoul, Korea*

O-11-3 Reconstruction of Middle Cranial Fossa Defect by Transmastoid Approach

Rie Kanai¹, Shin-ichi Kanemaru¹, Toshiki Maetani¹, Akiko Nishida¹, Fumiko Kuboshima¹,
Misaki Yamamoto¹, Takuya Tsuji¹

¹*Department of Otolaryngology, Head and Neck Surgery, Kitano Hospital, Osaka, Japan*

Ossiculoplasty 2**June 5th, Tuesday 10:40~11:40 Room 5**

Moderators:

Jean-Yves Sichel

Dept of Otolaryngology, Head and Neck Surgery Shacre Fedek Medical Center, Israel

Jun Tsuji

National Hospital Organization Kyoto Medical Center, Japan

O-12-1 Reconstruction of the Incudostapedial Joint after Removal of Cholesteatoma

Maciej Mrowka¹, Henryk Skarzynski¹, Marek Porowski¹, Piotr H. Skarzynski^{1,2}

¹*Institute of Physiology and Pathology of Hearing, Poland*

²*Institute of Sensory Organs, Poland*

O-12-2 Preliminary Hearing Results of Titanium Ossiculoplasty in Taiwanese People

Chang-Wei Huang¹, Jen-Tsung Lai¹

¹*The Otolaryngology Department, Kuang-Tien General Hospital, Shalu District, Taichung City, Taiwan (R. O. C.)*

O-12-3 Ossiculoplasty of Small Crus Longum Defects with Bone Cement

Jacob Tauris¹, Chris L Jacobsen¹, Kjell Tveteraas¹, Michael Gaihede¹

¹*Department of Otolaryngology, Head and Neck Surgery Aalborg Hospital, Aarhus University Hospital, Denmark*

O-12-4 Clinical Investigation of the Ossicular Anomalies.

Taro Inagaki¹, Mamoru Suzuki¹, Atsushi Kawano¹,

Nobuhiro Nishiyama¹, Sachie Kawaguchi¹

¹*Otolaryngology, Tokyo Medical University, Tokyo, Japan*

Tympanomastoid Surgery-Approach and Technique June 5th, Tuesday 10:40~11:40 Room 6

Moderators: Timothy T. K. Jung
Department of Otolaryngology, Loma Linda University, Loma Linda, CA, USA, USA
 Hiroshi Hosoi
Nara Medical University, School of Medicine, Japan

O-13-1 Blind Sac Closure of the External Auditory Canal for Chronic Middle Ear Disease

Philip A. Bird¹, Jennifer Lyon², Mamta Patel², Fiona Loan²
¹*University of Otago, Christchurch*
²*Department of Otolaryngology - Head and Neck Surgery, Christchurch Hospital, Christchurch, New Zealand*

O-13-2 Aticoexposition-antroexclusion Technique for Cholesteatoma Surgery

Raquel Manrique¹, Ignacio A Sanhueza¹, Jorge De Abajo¹, Vivian Gallegos¹, Manuel Manrique¹
¹*ENT department, University of Navarra, Pamplona, Spain*

O-13-3 Combined Retro-auricular and Pre-auricular Approach for Anteriorly Extended Otic Lesions

Harukazu Hiraumi¹, Norio Yamamoto¹, Tatsunori Sakamoto¹, Juichi Ito¹
¹*Department of Otolaryngology, Head and Neck Surgery, Kyoto University Graduate School of Medicine, Kyoto, Japan*

O-13-4 New Surgical Approach for Hearing Restoration in Patients with Lateralized Tympanic Membranes.

Yuya Narui¹, Hidenaga Yamamoto¹, Tao Yang¹, Maya Oishi¹, Shuichiro Hayashi¹, Sayuri Yano¹, Ken Hayashi¹, Yuko Miyamoto¹, Atsushi Shinkawa¹
¹*Shinkawa Clinic, Japan*

Tubal Function

June 5th, Tuesday 14:25~15:40 Room 5

Moderators: Dennis Poe
Children's Hospital Boston and Harvard Medical School, USA
 Koichi Tomoda
Kansai Medical University, Japan

O-14-1 Tubal-tympanostomy Tube Insertion Technique for the Treatment of Eustachian Tube Dysfunction

Masatsugu Masuda¹, Masahiro Morita¹
¹*Department of Otolaryngology, Kyorin University School of Medicine, Tokyo, Japan*

O-14-2 How We Correct Tubal Dysfunction

Myroslav B. Kruk¹, Myroslav M. Kruk¹

¹*ENT dep. Lviv national medical university, Lviv, Ukraine*

O-14-3 Optotensometry. Development of an Optic Method for Long Time Measuring the Tubal Function

Thorsten Zehlicke¹, Mark Stamer², Joerg Mueller², Hans Wilhelm Pau³

¹*Armed Forces Hospital Hamburg, ENT department, Head and Neck Surgery*

²*Hamburg University of Technology, Institute of Micro System Technology, Germany*

³*University of Rostock, ENT Department, Head and Neck Surgery, "Otto Koerner", Germany*

O-14-4 Eustachian Tube Plugging by Kobayashi's PET Plug: Analysis of 8 Cases Required Endaural Approach

Takeshi Oshima¹, Toshiaki Kikuchi¹, Ryoukichi Ikeda¹, Hidetoshi Oshima¹,

Toshimitsu Kobayashi¹

¹*Department of Otolaryngology-Head & Neck Surgery, Tohoku University Graduate School of Medicine, Sendai, Japan*

O-14-5 Long-term Results of the Transnasal Endoscopic Balloon Dilatation of the Eustachian Tube.

Martin Lehmann¹, Stefanie Schroeder¹, Ulf Reineke¹, Joerg Ebmeyer¹, Holger Sudhoff¹

¹*Department of Otolaryngology, Head and Neck Surgery, Bielefeld Academic Teaching Hospital, Germany*

Basic Research 1

June 5th, Tuesday 14:25~15:25 Room 6

Moderators: Maurizio Barbara

Department of Neuroscience, Mental Health and Sensory Organs, Medicine and Psychology, Sapienza University, Rome, Italy, Italy

Hiroshi Yamashita

Department of Otolaryngology, Yamaguchi University, Graduate School of Medicine, Japan

O-15-1 Expression Patterns of Several Antimicrobial Peptides in the Cholesteatoma

Sung Won Chae¹, Gi Jung Im¹

¹*Department of Otorhinolaryngology-Head and Neck Surgery, Korea University College of Medicine, Korea*

O-15-2 Nitric Oxide Production in Human Cholesteatomas: Possible Relation to Local Inflammatory Processes

Takayuki Taruya¹, Marin Miyasato¹, Sachio Takeno¹, Katsuhiko Hirakawa¹, Takashi Ishino¹, Keishin Goh¹

¹*Department of Otorhinolaryngology, Head and Neck Surgery, Hiroshima University, Hiroshima, Japan*

O-15-3 Expression of TWEAK in the Human Middle Ear Cholesteatoma

Moo Kyun Park¹, Byung Don Lee¹, Jong Dae Lee¹, Gye Hoon Park¹, Chi Kyu Lee¹

¹*Department of Otolaryngology-Head and Neck Surgery, SoonChunhyang University College of Medicine, Seoul, Korea*

O-15-4 Expression of Gankyrin in Middle Ear Cholesteatoma

Kihyun Kim¹, Hye Jin Lim¹, Yeon Joo Kim¹, Seung Won Kim¹, Chunjie Tian¹, Keehyun Park¹, Hun Yi Park¹, Yun-Hoon Choung¹

¹*Department of Otolaryngology, Ajou University School of Medicine, Korea*

Implantable Hearing Device**June 5th, Tuesday 16:10~17:25 Room 4**

Moderators: Alexander Huber

Department of Otorhinolaryngology, Head and Neck Surgery, University of Zurich, Switzerland

Shin-ichi Usami

Shinshu University School of Medicine, Japan

O-16-1 The Vibrant Soundbridge Middle Ear Implant in Radical Cavities

Maciej Mrowka¹, Henryk Skarzynski¹, Marek Porowski¹, Piotr H. Skarzynski^{1,2}, Lukasz Olszewski¹

¹*Institute of Physiology and Pathology of Hearing, Poland*

²*Institute of Sensory Organs, Poland*

O-16-2 Vibrant Sound Bridge for Patients Suffering Chronic Otitis Media and Severe Hearing Loss.

J de Abajo¹, I. Sanhueza¹, L. Giron¹, M. Manrique¹

¹*ENT departament, Universitary clinic of Navarra, Pamplona, Spain*

O-16-3 Clinical Experience of Middle Ear Implant with Vibrant Soundbridge

Qi Huang¹, Hao Wu¹, Zhihua Zhang¹, Yun Li¹

¹*Department of Otolaryngology-Head & Neck Surgery, Xinhua Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China*

O-16-4 Vibrant Soundbridge Middle Ear Implants - Long Term OutcomesEu Chin Ho¹, Peter Monksfield², Huw Cooper², Richard Irving²¹*Department of Otolaryngology, Head & Neck Surgery, Tan Tock Seng Hospital, Singapore*²*Department of Otolaryngology, Head & Neck Surgery, University Hospital Birmingham, England***O-16-5 Implantable Hearing Aids: Candidacy Considerations in Paediatric Cholesteatoma**Adrian L. James¹, Sharon Cushing¹, Blake Papsin¹¹*Dept of Otolaryngology - Head and Neck Surgery, University of Toronto, Toronto, Canada***Epidemiology****June 5th, Tuesday 16:10~17:25 Room 5****Moderators:**

Sven-Eric Stangerup

ENT Department, Rigshospital, Copenhagen University, Denmark

Masashi Hamada

*Department of Otolaryngology, Tokai University, school of Medicine, Japan***O-17-1 Screening for Delayed-onset Hearing Loss in Preschool Children Who Passed NHS**Jingrong Lv¹, Zhiwu Huang¹, Hao Wu¹¹*Department of Otolaryngology-Head & Neck Surgery, Xinhua Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China***O-17-2 Congenital Cholesteatoma is Predominantly Found in the PSQ in the Asian Population**Hiroshi Hidaka¹, Toshimitsu Kobayashi¹¹*Departments of Otolaryngology-HNS, Tohoku University Graduate School of Medicine, Sendai, Japan***O-17-3 Decreasing Incidence Rate for Surgically Treated Middle Ear Cholesteatoma in Denmark 1977-2010**Bjarki D. Djurhuus¹, Axel Skytthe², Christian E. Faber¹¹*Department of ENT Head and Neck Surgery, Odense University Hospital, Odense, Denmark*²*Department of Epidemiology, Institute of Public Health, University of Southern Denmark, Odense, Denmark***O-17-4 Incidence of Middle Ear Cholesteatoma, Locations, Extensions, and Complications during 1993 to 2009**Suzan AL Kole¹, Michael Gaihede¹, Kjell Tveteras¹, Peter Nieland¹, morten Sovso¹¹*Department of Otolaryngology, Head and Neck Surgery Aalborg Hospital, Aarhus University Hospital, Denmark*

O-17-5 Incidence of Cholesteatoma and Cholesteatoma ComplicationsAdem Limani¹, Aziz Mustafa¹, Zgjim Limani¹¹*ENT&HNS Clinic, University Clinical Center of Kosova, Albania***Basic Research 2****June 5th, Tuesday 16:10~17:25 Room 6**

Moderators: Yun-Hoon Chong

Department of Otolaryngology, Ajou University School of Medicine, Suwon, Korea

Hiroaki Sato

*Iwate Medical University, School of Medicine, Japan***O-18-1 Indications of a Leaky Permeability Barrier in Cholesteatoma Matrix**Viggo Svane-Knudsen¹, Maria Bloksgaard², Jonathan Brewer², Luis Bagatolli²¹*Department of ENT surgery, Odense University Hospital, Odense, Denmark*²*Membran Biofysik og Biofoton gruppen/MEMPHYS-Center for Biomembran Fysik, Institut for Biokemi og Molekylar Biologi, Syddansk Universitet, Denmark***O-18-2 Identification of Novel Cholesteatoma Related Genes Using Full-genome Microarrays**Christin Zander¹, Sebastian J. Janowski², Daniela Borck², Darius Widera³, Joerg Ebmeyer⁴, Barbara Kaltschmidt⁵, Christian Kaltschmidt³, Holger Sudhoff⁴¹*Research Laboratory, Department of Head & Neck Surgery, Bielefeld Hospital, Germany*²*Faculty of Technology, University of Bielefeld, Bielefeld, Germany*³*Faculty of Cell Biology, University of Bielefeld, Bielefeld, Germany*⁴*Department of Head & Neck Surgery, Bielefeld Hospital, Germany*⁵*Molecular Neurobiology, University of Bielefeld, Bielefeld, Germany***O-18-3 Reconstruction of the Temporal Bone with Bone Morphogenetic Protein 2 (BMP-2)**Akira Sugimoto¹, Natsumi Sakamoto¹, Kana Matsushima¹, Naoko Kikkawa¹, Heizaburo Yamamoto¹, Kouichi Kobayashi¹, Yoshitaka Okamoto¹¹*Otorhinolaryngology and Head & Neck Surgery, Chiba University Graduate School of Medicine, Chiba, Japan*

O-18-4 Non-Cholesteatomatous Otitis Media in TNF-Deficient Mice

Joerg Ebmeyer¹, Leichtle Anke¹, Holger Sudhoff¹, David Broide², Stephen Wasserman²,
Allen F Ryan³

¹*Department of Otorhinolaryngology, Head and Neck Surgery, Klinikum Bielefeld, Germany*

²*Department of Medicine, Division of Rheumatology, Allergy and Immunology, UCSD School of Medicine, La Jolla, California, USA*

³*Department of Surgery, Division of Otolaryngology, UCSD School of Medicine, La Jolla, California, USA*

O-18-5 Otocystic inoculation of Connexin30-targeted shRNA induces hearing impairment in mice

Toru Miwa¹, Ryosei Minoda¹, Momoko Ise¹, Eiji Yumoto¹

¹*Department of Otolaryngology-Head and Neck Surgery, Graduate School of Medicine, Kumamoto University, Kumamoto, Japan*

Cholesteatoma - Pathophysiology June 6th, Wednesday 9:00~10:30 Room5

Moderators: Sady Costa

Department of Otolaryngology and oftalmology, Medicine school , Rio Grande Sul Federal University, Brazil

Katsuhisa Ikeda

Department of Otorhinolayngology Juntendo University School of Medicine, Japan

O-19-1 The Effect of Tympanostomy Tubes on Tympanic Membrane Retraction in Children with Cleft Palate

Adrian L. James¹, Bradley Hubbard¹, Blake Papsin¹, Sharon Cushing¹

¹*Dept of Otolaryngology - Head and Neck Surgery, Universit of Toronto, Toronto, Canada*

O-19-2 Cholesteatoma in Children with Cleft Palate. Tympanostomy Makes a Difference?

Martin Fernandez¹

¹*Clinica de Marly, Department of Otolaryngology, Bogota DC, Colombia*

O-19-3 Tympanic Membrane Retractions and Cholesteatomas: Searching for Growth Patterns

Sady S. Costa¹, Leticia P. S. Rosito¹, Mauricio N. L. Silva¹, Fabio A. Selaiman¹

¹*Clinicas Hospital of Porto Alegre, Brazil*

²*Clinicas Hospital of Porto Alegre, Brazil*

O-19-4 Cholesteatoma Growth Patterns: is There a Difference Between Children and Adults?

Sady S. Costa¹, Leticia P. S. Rosito¹, Mauricio N. L. Silva¹, Inesangela Canali¹,
Fabio A. Selaimen¹

¹*Clinicas Hospital of Porto Alegre*

²*Clinicas Hospital of Porto Alegre, Brazil*

O-19-5 Cholesteatoma Growth Patterns: Proposal of a New Classification

Sady S. Costa¹, Leticia P. S. Rosito¹, Mauricio N. L. Silva¹, Inesangela Canali¹,
Fabio A. Selaimen¹

¹*Clinicas Hospital of Porto Alegre*

²*Clinicas Hospital of Porto Alegre, Brazil*

O-19-6 Long-Palva Obliteration Technique in Cholesteatoma Surgery: New Method

Mohammad-Taghi Khorsandi-Ashtiani¹, Ali Kouhi¹

¹*Otorhinolaryngology research center, Amir-Alam hospital, Tehran University of Medical Sciences, Iran*

Tumors 1

June 6th, Wednesday 9:00~10:00 Room6

Moderators:

Yildirim Bayazit

Gazi University, Turkey

Koichi Omori

Department of Otolaryngology Fukushima Medical University, Japan

O-20-1 Indications for Subtotal Petrosectomy in Middle Ear Surgery

Shailendra Sivalingam¹, Mario Sanna²

¹*The Department of Otorhinolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia*

²*Gruppo Otologico, Piacenza, Italy*

O-20-2 Two-Stage Surgery, A Wiser Strategy for Managing Large Jugular Foramen Tumors

Mohamed M. K. Badr-El-Dine¹

¹*ENT department- Faculty of Medicine- University of Alexandria- Egypt*

O-20-3 Management of Temporal Bone Langerhans Cell Histiocytosis in Children

Zhaoyan Wang¹, Qi Huang¹, Hao Wu¹, Zhihua Zhang¹, Jun Yang¹

¹*Department of Otolaryngology-Head & Neck Surgery, Xinhua Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China*

O-20-4 Management Outcomes following Lateral Temporal Bone Resection for Cancer of External Auditory Canal

Shingo Hasegawa¹, Daisuke Yamashita¹, Takeshi Fujita¹, Ken-ichi Nibu¹

¹*Department of Otolaryngology-Head & Neck Surgery, Kobe University, Graduate School of Medicine, Japan*

Cholesteatoma and Hearing

June 6th, Wednesday 14:00~15:15 Room4

Moderators:

Vincent C. Cousins

*Head Otonerology Unit & Monash University Department of Surgery
The Alfred Hospital Melbourne, Australia*

Akira Hara

University of Tsukuba, Graduate School of Comprehensive Human Science, Doctorial Program in Clinical Science, Japan

O-21-1 Patterns of Ultra High-frequency Hearing Loss Following Middle Ear Surgery

Melissa J. Babbage¹, Michael Bergin³, Greg O'Beirne¹, Emily Macassey³, Philip Bird^{1,2,3}

¹*Department of Communication Disorders, University of Canterbury, Christchurch, New Zealand*

²*University of Otago, Christchurch, New Zealand*

³*Department of Otolaryngology - Head and Neck Surgery, Christchurch Hospital, Christchurch, New Zealand*

O-21-2 The Role of Cholesteatoma on the Bone Conduction Thresholds in Chronic Suppurative Otitis Media

Ahmad D. Wahyudiono¹, Sujut Winartoyo¹, Viera Wardhani², Edi Handoko¹

¹*Otorhinolaryngology Department of Medical Faculty of Brawijaya University, Malang, Indonesia*

²*Public Health Department of Medical Faculty of Brawijaya University, Malang, Indonesia*

O-21-3 Long-term Deterioration of Bone-Conduction Level in Patients with Semicircular Canal Fistulae

Hirokazu Katsura¹, Yasuo Mishiro¹, Osamu Adachi¹, Masafumi Sakagami¹

¹*Department of Otorhinolaryngology, Hyogo College of Medicine, Hyogo, Japan.*

O-21-4 Postoperative Long-Term Hearing Results in Patients who Underwent Ossiculoplasty

Kazuya Saito¹, Michio Isono¹, Mie Miyasita¹, Mitsuo Sato¹, Katumi Doi¹

¹*Kinki University school of Medicine Department of otolaryngology, Japan*

O-21-5 Intraoperative Evaluation of Air-Bone Gap Closure During Ossiculoplasty Using RW-ECochG

Krzysztof F. Morawski¹, Kazimierz Niemczyk¹, Robert Bartoszewicz¹, Aleksandra Hryciuk¹

¹*Department of Otolaryngology, Medical University of Warsaw, Warsaw, Poland*

Endoscopic Surgery 1**June 6th, Wednesday 14:00~15:30 Room5**

Moderators: Mohamed M.K. Badr-El-Dine
ENT department- Faculty of Medicine- University of Alexandria , Egypt
 Seiji Kakehata
Department of Otolaryngology, Yamagata University, Yamagata, Japan

O-22-1 The Anterior Endoscopic Transnasal Approach to Petrous Apex Lesions

Mohamed M. K. Badr-El-Dine¹, Ahmad Aly Ibrahim¹

¹*ENT department- Faculty of Medicine- University of Alexandria- Egypt*

O-22-2 Endoscopic Permeatal Tympanoplasty for Cholesteatoma (EPTC)

R. N. Patil¹

¹*J N Medical College, Belgaum, Karnataka, India*

O-22-3 Endoscopic Requirement during Surgery of Sinus Tympani when dealing with Cholesteatoma

Mohamed M. K. Badr-El-Dine¹

¹*ENT department- Faculty of Medicine- University of Alexandria- Egypt*

O-22-4 Hearing Preservation in Paediatric Cholesteatoma: Laser and Endoscopic Surgery

Adrian L. James¹, Sharon Cushing¹, Blake Papsin¹

¹*Dept of Otolaryngology - Head and Neck Surgery, Universit of Toronto, Toronto, Canada*

O-22-5 Endoscopic Trans-Canal Atticoantrotomy Using an Ultrasonic Surgical System

Tomoo Watanabe¹, Tsukasa Ito¹, Toshinori Kubota¹, Seiji Kakehata¹

¹*Department of Otolaryngology Head and Neck Surgery, Yamagata University Faculty of Medicine, Yamagata, Japan*

O-22-6 Minimally Invasive Endoscopic Ear Surgery in Children

Lela Migirov¹

¹*Dept. Otolaryngology, Sheba Medical Center, Tel Hashomer, Israel*

Tumors 2**June 6th, Wednesday 14:00~14:45 Room6**

Moderators: Maurizio Falcioni
Gruppo Otologico, Italy
 Kazuo Ishikawa
Akita University, School of Medicine, Japan

O-23-1 A Case of Concurrent Intra-Labyrinthine Schwannoma and Glomus Tympanicum Tumor

Norio Yamamoto¹, Harukazu Hiraumi¹, Tatsunori Sakamoto¹, Juichi Ito¹
¹*Department of Otolaryngology, Head and Neck Surgery, Kyoto University, Kyoto, Japan*

O-23-2 Removal of Large Vestibular Schwannoma by Translabyrinthine Approach: 115 Cases

Zhihua Zhang¹, Zhaoyan Wang¹, Qi Huang¹, Jun YANG¹, Hao WU¹
¹*Dept of Otolaryngology Head & Neck Surgery, Xinhua Hospital, Shanghai, China*

O-23-3 Predictive Factors of Hearing Preservation after Middle Fossa Approach for Acoustic Tumors

Ki-Hong Chang¹, Jeong-Hoon Oh¹, Woo Jin Kim¹
¹*Department of Otolaryngology-Head and Neck Surgery, The Catholic University of Korea, Seoul, Korea*

Reconstruction and Obliteration 1**June 6th, Wednesday 15:40~16:40 Room4**

Moderators: Ronen Perez
Shaare Zedek Medical Center, Israel
 Shin-ichi Haginomori
Department of Otolaryngology, Osaka Medical College, Japan

O-24-1 Open Technique Cholesteatoma Surgery with Obliteration of Paratympanic Spaces

Sergey J. Kosyakov¹, Vladimir V. Korshok¹, Ekaterina E. Pchelenok¹
¹*ENT Chamber Russian Academy for postgraduate education, Russian*

O-24-2 Reconstruction of Bony Ear Canal in Surgery for Cholesteatom

Makito Tanabe¹, Etsuo Yamamoto¹, Hiroyuki Oiki¹, Yoichi Hasegawa¹
¹*Yamamoto Ear Surgicenter, Japan*

O-24-3 No More Mastoid Cavities - Obliterate Them All

Ratnamala V Kayarkar¹
¹*ENT Department, Pinderfields General Hospital, Wakefield, United Kingdom*

O-24-4 Cancelled**O-24-5 Mastoid and Epitympanic Obliteration with Tricalcium Phosphate for Prevention of Retraction Pocket**

In Seok Moon³, Sang Choel Kim¹, Jin Kim², Chang Woo Kim³, Won-Sang Lee¹

¹*Yonsei University College of Medicine, Seoul, Korea*

²*Department of Otorhinolaryngology, Inje University College of Medicine, Seoul, Goyang, Gyeonggi-do, Korea*

³*Department of Otorhinolaryngology, Hallym University College of Medicine, Seoul, Korea*

Cochlear Implant 1**June 6th, Wednesday 15:40~17:10 Room5**

Moderators:

Onur Celik

lal Bayar University Medical Faculty Otorhinolaryngology Department, Manisa, Turkey, Turkey

Tetsuo Ikezono

Department of Otorhinolaryngology, Saitama Medical School, Saitama, Japan, Japan

O-25-1 Combined Electric Acoustic Stimulation with Med-EI FLEX (EAS) and Nucleus CI422

Christian E. Faber¹, Aksel M. Grontved¹

¹*oere-naese-halskirurgisk Afd F, OUH, Odense, Denmark*

O-25-2 An Automated and Language-Universal Speech Perception Test.

Bart Vaerenberg^{1,2}, Linde Dieleman³, Margot Criel³, Louis ten Bosch⁴, Wojtek Kowalczyk⁵,
Martine Coene⁶, Paul J Govaerts¹

¹*The Eargroup, Antwerp Belgium*

²*Department of Biomedical Physics, University of Antwerp, Antwerp, Belgium*

³*Arteveldehogeschool, Gent, Belgium*

⁴*Centre for Language Studies, Radboud University, Nijmegen, the Netherlands*

⁵*Department of Computer Science, Free University of Amsterdam, Amsterdam, The Netherlands*

⁶*CNTS, University of Antwerp, Antwerp, Belgium*

O-25-3 Comparison of Neural Telemetry in Cochlear Implant Surgery by Cochleostomy or by the Round Window

Rogério Hamerschmidt^{1,2}, Gislaine Wiemes², Schuch Luis Henrique¹, Rodrigo Kopp Rezende²

¹*Federal University of Paraná-Brazil*

²*Instituto Paranaense de Otorrinolaringologia, Brazil*

O-25-4 Pitch Perception and Speech Understanding in Noise with MedEI FS4 Strategy.

Bart Vaerenberg^{1,2}, Philippe Lefebvre³, Geert De Ceulaer¹, Kristin Daemers¹,
Karolien Weekers¹, Karen Schauwers¹, Paul J Govaerts¹

¹*The Eargroup, Antwerp Belgium*

²*Department of Biomedical Physics, University of Antwerp, Antwerp, Belgium*

³*Centre Hospitalier Universitaire de Liège, Liège, Belgium*

O-25-5 Desktop Outcome Assessment and Programming of Cochlear Implants.

Bart Vaerenberg^{1,2}, Haico Van Oosten², Alexandre Gault³, Ad Vreeswijk⁴, Eric Schipperen⁴,
Geert De Ceulaer¹, Paul J Govaerts¹

¹*The Eargroup, Antwerp, Belgium*

²*Department of Biomedical Physics, University of Antwerp, Antwerp, Belgium*

³*Advanced Bionics Sarl, Rixheim, France*

⁴*Akoestische Bouw Projecten BV, Geertruidenberg, The Netherlands*

O-25-6 Cholesteatoma in Cochlear Implant Recipients - Causes and Management

Yisgav Shapira¹, Jona Kronenberg², Lela Migirov¹

¹*Department of Otorhinolaryngology-Head and Neck Surgery, Sheba Medical Center, Tel Hashomer, Israel*

²*Department of Otorhinolaryngology-Head and Neck Surgery, Assaf Harofeh Medical Center, Zerifin, Israel*

Others 1**June 6th, Wednesday 15:40~17:10 Room6****Moderators:**

Levent Olgun

Izmir Bozyaka Teaching&Research Hospital Izmir Turkey, Turkey

Katsuhiro Hirakawa

Hiroshima University, Faculty of Medicine, Japan

O-26-1 Clinical Observation on Secondary Cholesteatoma

Haruka Nakanishi¹, Tetsuya Tono¹, Keiji Matsuda¹

¹*The department of Otolaryngology Head and Neck Surgery, University of Miyazaki, Miyazaki, Japan*

O-26-2 Utility of Peroperative Staining of Cholesteatoma: Will It Help Reduce Recidivism?**A Pilot Study**

Arun K. Gadre, MD, FACS, MS (Bom), DORL

Heuser Hearing Institute Endowed Professor of Otology and Neurotology

University of Louisville, USA

O-26-3 Clinical Analysis of Secondary Acquired Cholesteatoma

Kazuhisa Yamamoto¹, Manabu Komori¹, Yuichiro Yaguchi¹, Hiromi Kojima¹,
Hiroshi Moriyama¹

¹*Jikei University School of Medicine, Tokyo, Japan*

O-26-4 Transmeatal Approach and Advantageous Device for Minimal Invasive Surgery

Taeko Okuno¹, Hata Yuko¹, Yasuya Nomura¹, Nobuhiko Kurita¹, Yu Matsumoto¹,
Yasutaka Kojima¹, Mayako Kuwauchi¹

¹*Mitsui Memorial Hospital, Tokyo, Japan*

O-26-5 Imaging Prior to Endoscopic Ear Surgery: Surgical Considerations

Lela Migirov¹

¹*Dept. Otolaryngology, Sheba Medical Center, Tel Hashomer, Israel*

O-26-6 Evaluation of Facial Recess and Round Window Membrane with Cone-beam Computed Tomography

Takahiro Nakashima¹, Tetsuya Tono², Keiji Matsuda², Minoru Takagi², Tamon Hayashi²,
Yutaka Hanamura²

¹*Department of Otolaryngology-Head and Neck Surgery, Kagoshima City Hospital, Kagoshima, Japan*

²*Department of Otolaryngology-Head and Neck Surgery, Faculty of Medicine, University of Miyazaki, Japan*

Reconstruction and Obliteration 2 June 7th, Thursday 9:40~10:40 Room4

Moderators:

Jona Kronenberg

Assaf Harofeh Medical Center, Israel

Yukiko Iino

Jichi Medical University Saitama Medical Center, Japan

O-27-1 Prevention of Recurrent Cholesteatoma: Exclusion Techniques using Titanium Sheeting.

Bruce Black¹

¹*Royal Children's Hospital, Brisbane, Australia*

O-27-2 Individualized Strategy to Improve Hearing Outcome in Soft Wall Reconstruction Technique

Sung-Hyun Boo¹, Chi-Sung Han², Myung-Koo Kang³

¹*Department of Otolaryngology Head & Neck Surgery, Sungkyunkwan University School of Medicine, Samsung Changwon Hospital, Changwon, Korea*

²*Ulsan Hana ENT Hospital, Ulsan, Korea* ³*Department of Otolaryngology Head & Neck Surgery, Dong-A University, Busan, Korea*

O-27-3 Use of Granules of Biphasic Ceramic in Rehabilitation of Canal Wall Down MastoidectomiesDaniele Bernardeschi¹, Alexis Bozorg Grayeli¹, Olivier Sterkers¹¹AP-HP, Hosp Beaujon, ENT Department, F-92118 Clichy and Inserm, U867, F-75018 Paris, France**O-27-4 Surgical Ideas for Cholesteatoma**Kenji Suzuki¹, Seiichi Nakata¹, Yoichi Nishimura¹, Toshiyuki Fujisawa¹, Noboru Iwata¹, Takuro Kojima¹, Aki Suzuki¹¹Department of Otolaryngology, Second Hospital, Fujita Health University School of Medicine, Japan**Endoscopic Surgery 2****June 7th, Thursday 9:40~10:40 Room5**

Moderators:

Muaaz Tarabichi

American Hospital Dubai, Dubai

Hideo Edamatsu

*Toho University School of Medicine, Japan***O-28-1 Exclusive Endoscopic Middle Ear Surgery for Congenital Cholesteatoma**Taisuke Kobayashi¹, Masahiro Komori¹, Masamitsu Hyodo¹¹Department of Otolaryngology, Kochi Medical School, Kochi, Japan**O-28-2 Cancelled****O-28-3 New Concept of the Myringoplasty in Closed Tympanoplasty**Emilia B. Karchier¹, Kazimierz Niemczyk¹, Krzysztof F. Morawski¹, Robert Bartoszewicz¹, Jacek Sokolowski¹¹Department of Otolaryngology, Medical University of Warsaw, Poland**O-28-4 Cancelled**

Others 2**June 7th, Thursday 9:40~10:55 Room6****Moderators:****Daniel Kaplan***Dept. of Otolaryngology- Head and Neck Surgery, Soroka University Medical Center and the Ben Gurion University, Beer Sheva, Israel, Israel***Mamoru Suzuki***Tokyo Medical University, Japan***O-29-1 Actinomycosis of the Middle Ear: Identification of *Actinomyces meyeri* using 16S rRNA Analysis**Risako Kakuta¹, Hiroshi Hidaka¹, Hisakazu Yano², Hiromitsu Miyazaki¹, Yoichi Hirakata², Mitsuo Kaku², Toshimitsu Kobayashi¹¹*Department of Otolaryngology, Head and neck Surgery, Tohoku Univesity Graduate School of Medicine, Japan*²*Department of Infection Control and Laboratory Diagnostics, Tohoku University Graduate Scol of Medicine, Japan***O-29-2 Changes in Salivary Secretion and Sense of Taste following Middle Ear Surgery: A Pilot Study**Jonas Jeppesen¹, Christian Emil Faber¹¹*Ear-Nose-Throat Department F, Odense University Hospital, Odense, Denmark***O-29-3 Change in Clinical Features of Congenital Cholesteatoma with the Spread of Video-Assisted Otoscope**Seong-Ki Ahn¹, Hyun-Woo Park¹, Ho-Youp Kim¹, Dong Gu Hur¹¹*Department of Otorhinolaryngology, School of medicine, Gyeonsang National University, Jinju, Korea***O-29-4 High Jugular Bulb Case that was Considered to be the Cause of Cholesteatoma**Hidenaga Yamamoto¹, Yuya Narui¹, Maaya Oishi¹, Yang Tao¹, Shuichiro Hayashi¹, Sayuri Yano¹, Ken Hayashi¹, Yuko Miyamoto¹, Atsushi Shinkawa¹¹*Department of Otolaryngology, Shinkawa Clinic, Kanagawa, Japan***O-29-5 Preoperative Nasal Screening of Methicillin-Resistant *S. aureus* in Chronic Otitis Media**Eun Jin Son¹, Jae Young Choi¹, Won-Sang Lee¹¹*Department of Otorhinolaryngology, Gangnam Severance Hospital, Yonsei University College of Medicine, Korea*

Stapes Surgery**June 7th, Thursday 11:20~12:20 Room4**

Moderators: Levent Sennaroglu
Hacettepe University, Turkey
Hiromi Ueda
Aichi Medical University, Japan

O-30-1 Stapedotomy in Otitis Media with CholesteatomaHenryk Skarzynski¹, Maciej Mrowka¹, Marek Porowski¹, Piotr H. Skarzynski^{1,2}¹*Institute of Physiology and Pathology of Hearing, Poland*²*Institute of Sensory Organs, Poland***O-30-2 Surgical Outcomes in Malleus to Oval Window Prosthesis in Revision Stapes Surgery**Mehmet Z. Ozuer¹, Levent Olgun¹, Tolga Kandogan¹, Emine Demir¹¹*Izmir Bozyaka Teaching and Research Hospital, ENT Clinic, Izmir, Turkey***O-30-3 Clinical Features after Stapes Surgery in Children**Jong Woo Chung¹, Byungchul Kang¹, Byoung Soo Shim¹, Tae Su Kim¹, Tae Hyun Yoon¹,
Kwang-Sun Lee¹¹*Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea***O-30-4 Japanese Results of CO₂ Laser-Assisted Stapedotomy with Teflon Piston**Masayuki Furukawa¹, Osamu Narabayashi¹, Chieri Hayashi¹, Misato Kasai¹, Hiroko Okada¹,
Katsuhisa Ikeda¹¹*Department of Otorhinolaryngology, Juntendo University Faculty of Medicine, Tokyo, Japan***O-30-5 Cancelled**

Cochlear Implant 2**June 7th, Thursday 11:20~12:35 Room5**

Moderators: Joachim Müller
Dept of Otorhinolaryngology, Head & Neck Surgery, Munich University , Germany
 Tetsuo Himi
Sapporo Medical University, Japan

O-31-1 HRCT-Based Prediction for CI Outcomes of Cases with Inner Ear/Internal Auditory Canal Malformations

Hiroshi Yamazaki^{1,2}, Sho Koyasu¹, Saburo Moroto¹, Rinko Yamamoto¹, Tomoko Yamazaki¹, Keizo Fujiwara¹, Yasushi Naito^{1,2}

¹*Kobe City Medical Center General Hospital, Japan*

²*Institute of Biomedical Research and Innovation Laboratory, Japan*

O-31-2 Cochlear Implantation in Children with Cochlear Aplasia

Sung-Wook Jeong¹, Lee-Suk Kim¹

¹*Dept. of OL-HNS, Dong-A University, Busan, Korea*

O-31-3 3D-Reconstruction Imaging of Inner Ear Anomaly for Cochlear Implant

Kunihiro Fukushima¹, Kazunori Nishizaki¹, Shin Kariya¹

¹*Department of Otolaryngology, Head & Neck Surgery, Okayama University Hospital, Okayama, Japan*

O-31-4 Surgical Complications Following Cochlear Implantation in Adults

Jonas Jeppesen¹, Christian Emil Faber¹

¹*Ear-Nose-Throat Department F, Odense University Hospital, Odense, Denmark*

O-31-5 Cholesteatoma in Patients with Prior Cochlear Implantation

Arun K. Gadre, MD, FACS, MS (Bom), DORL

Heuser Hearing Institute Professor of Otology & Neurotology University of Louisville, USA

Free Papers (Poster)

P-001 Ultrastructural Analysis of Rat Middle Ear Mucosa Regenerated by in situ Tissue Engineering

Naotaro Akiyama¹, Tomomi Yamamoto-Fukuda¹, Takehiko Koji², Haruo Takahashi¹

¹*Department of Otolaryngology-Head and Neck Surgery, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan*

²*Department of Histology and Cell Biology, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan*

P-002 Integrin $\alpha 11$ Gene (ITGA11) Expression in Congenital Cholesteatoma

Sayaka Kikkawa¹, Hideki Shiratsuchi¹, Takahiro Wakasaki², Shizuo Komune¹

¹*Department of Otorhinolaryngology, Graduate School of Medical Science, Kyushu University, Fukuoka, Japan*

²*Japanese red cross Fukuoka hospital, Japan*

P-003 Fabrication of Rat Epithelial Cell Sheets of External Ear Canal

Shinji Fukudome¹, Katsuyuki Tsuchiya¹, Eiji Kato¹, Tetsuya Tono¹

¹*Otolaryngology, Head and Neck surgery, University of Miyazaki, Miyazaki, Japan*

P-004 Frequency of Mixed Hearing Loss Patients with Post-Middle Ear Surgery : Candidacy for VSB

Satoshi Iwasaki¹, Hiroaki Suzuki², Hideaki Moteki^{1,2}, Yutaka Takumi^{1,2}, Shin-ichi Usami²

¹*Department of Hearing Implant Sciences, Shinshu University School of Medicine, Matsumoto, Japan*

²*Department Otolaryngology, Shinshu University School of medicine, Japan*

P-005 Cochlear Implants Infection. Role of Biofilms in Late Infections

Isabel De Miguel¹, Angel Ramos Macías¹, Daniel Perez¹, Jose M Cuyas¹

¹*Microrbiology Dept. Univeristy Hospital Gran Canaria, Spain*

P-006 Surgical Results of Single Vertical Incision without Skin Thinning in BAHA Surgery

Ho-Ki Lee¹

¹*Soree Ear Clinic, Seoul, Korea*

P-007 Predictors on Speech Perception Abilities of Auditory Neuropathy Children with Cochlear Implant

Lee-Suk Kim¹, Sung-Wook Jeong¹, Kyoo Sang Jo¹

¹*Dept. of OL-HNS, Dong-A University College of Medicine, Busan, Korea*

P-008 Cochlear Implantation in Infants

Lee-Suk Kim¹, Sung-Wook Jeong¹, Jeong-Seo Kim¹, Ah-Hyun Choi¹, Min-Young Kang¹

¹*Dept. of OL-HNS, Dong-A University College of Medicine, Busan, Korea*

P-009 A Case of Cholesteatoma Occurred after Cochlear Implantation

Yumi Ohta¹, Takayuki Kawashima², Taro Hasegawa¹, Takao Imai¹, Atsuhiko Uno¹,
Keiko Suwa¹, Masami Hanamoto¹, Takahiro Michiba³, Hidenori Inohara¹

¹*Department of Otorhinolaryngology-Head and Neck surgery, Osaka University graduate school of medicine, Japan*

²*Osaka Kouseinenkin Hospital*

³*Osaka Rousai Hospital, Japan*

P-010 Congenital Intratympanic Membrane Cholesteatoma

Sang Heon Lee¹, Seung Hyun Ko², Kyoung Ho Jeon^{2,3}, Min Ho Jo¹, Ki Sung Nam¹

¹*Department of Otolaryngology-Head and Neck Surgery, Wonkwang University, Iksan, Korea*

²*Department of Otolaryngology, Cheju Halla General Hospital, Korea*

³*Department of Otolaryngology, Gunsan Medical Center, Korea*

P-011 Clinical Experience of 111 Cases of Congenital Middle Ear Cholesteatoma

Sang-Won Yeo¹, Seong-Cheon Bae¹, Kyoung-Ho Park¹, Shi-Nae Park¹

¹*Department of Otolaryngology Head Neck Surgery, Catholic University of Korea, Medical College, Seoul, Korea*

P-012 Clinical Study of Congenital Middle Ear Cholesteatoma: Experience of 26 Surgical Cases

Takashi Yamatodani¹, Kunihiro Mizuta¹, Kumiko Hosokawa¹, Yoshinori Takizawa¹,
Hiroyuki MIneta¹

¹*Department of Otorhinolaryngology/Head & Neck Surgery, Hamamatsu University School of Medicine, Japan*

P-013 The Case of Congenital Cholesteatoma Spontaneously Cured During Observation.

Kazuma Sugahara¹, Hiroaki Shimogori¹, Hiroshi Yamashita¹

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P-014 Clinical Study of the Patients with Congenital Cholesteatoma

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P-015 Congenital Middle Ear Cholesteatoma in Children; Retrospective Review

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- P-016 Three Cases Occurred the Tympanic Membrane Cholesteatoma after Myringotomy**
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- P-017 Semicircular Canal Fistulae in Patients with Cholesteatoma: Location and Hearing Results**
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- P-018 A Case of Congenital Cholesteatoma with Anterior Semicircular Canal Fistula**
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Masahiro Takahashi³
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- P-019 Otogenic Widespread Thrombophlebitis and Facial Nerve Paralysis**
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- P-020 Complications in Acquired Cholesteatoma: A Comparison Between Pars-Tensa Type and Pars-flaccida Type**
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Takashi Goto¹, Tamotsu Morimitsu¹
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- P-021 An Unusual Iatrogenic Cholesteatoma of the External Auditory Canal**
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- P-022 Semicircular Canal Fistula with Middle Ear Cholesteatoma; Report of 24 Cases**
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P-023 Atypical Provoked Nystagmus in Two Cases with Fistula in Lateral Semicircular Canal

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P-024 Pneumocephalus Extending into the Lateral Ventricles from a Cholesteatoma-Induced Skull Base Defect

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P-025 Hearing Impairment in Nasopharyngeal Carcinoma Patients

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P-026 Clinical Features of Cholesteatoma with Labyrinthine Fistulae

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P-027 How Can we Improve the Diagnostic Accuracy of Cholesteatoma Using the Computed Tomography?

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P-028 A Case of Meningocele in the Temporal Bone that was Diagnosed as Congenital Cholesteatoma

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Hidenaga Yamamoto¹, Yuya Narui¹, Atsushi Shinkawa¹

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P-029 Post-Operative Evaluation of the Ossiculoplasty Using Multi-Planar Reconstruction (MPR) CT.

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P-030 Preoperative MRI for Middle Ear Cholesteatoma : Investigation of Diffusion-Weighted Imaging

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P-031 Effectiveness of Non-Echo-Planar DW MRI as a Diagnostic Imaging Tool of Middle Ear Cholesteatoma

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P-032 Air Caloric Stimulation in Chronic Otitis Media with or without Cholesteatoma

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P-033 Preoperative Evaluation of Petrous Bone Cholesteatoma by Three-dimensional Reconstruction Images

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P-034 Prognosis of Facial Nerve Function Following Bells palsy: Value of Electroneuronography (ENOG)

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P-035 Clinical Analysis of Cases with Petrosquamosal Sinus Found in Temporal Bone CTYoung Ho Kim¹, Joo Hyun Park², Seong il Kang²¹*Seoul National University College of Medicine, Seoul National University Boramae Medical Center, Seoul, Korea*²*Seoul National University College of Medicine, Seoul National University, Seoul, Korea***P-036 Rate of Chronic Suppurative Otitis Media in Otolaryngology Clinic of a Turkish Military Hospital**Engin Cekin¹, Evren Erkul¹, Halil Caliskan¹, Murat Salihoglu¹¹*Gulhane Military Medical Academy, Haydarpasa Training Hospital, Department of Otolaryngology, Istanbul, Turkey***P-037 Nasal Alterations in Patients with Chronic Otitis Media**Felippe Felix¹, Roberta Bak¹, Thiago Barros¹, Rosane Machado¹, Priscila Novaes¹, Shiro Tomita¹¹*Universidade Federal do Rio de Janeiro, Brazil***P-038 Necrotizing Otitis Externa - Different Presentations for the Same Disease**Felippe Felix¹, Jaqueline Quintanilha¹, Fabiana Chagas¹, Sergio Souza¹, Maria Helena Barbosa¹, Shiro Tomita¹¹*Universidade Federal do Rio de Janeiro, Brazil***P-039 Contralateral Ear in Chronic Otitis Media: the Complete Evaluation**Sady S. Costa¹, Maurício N. L. Silva¹, Letícia P. S. Rosito¹¹*Department of Otolaryngology and Ophthalmology, Medicine School, Rio Grande do Sul Federal University, Brazil***P-040 Modified Burow's Solution is Effective on Refractory Otorrhea.**Jinnouchi Osamu¹, Noriaki Takeda²¹*Dept. of Otorhinolaryngology, Anan kyoei Hospital, Tokushima, Japan*²*Department of Otorhinolaryngology, The University of Tokushima, Tokushima, Japan***P-041 A Case of Secondary Acquired Cholesteatoma with the Carcinoid Tumor of Middle Ear**Naoko Sakuma¹, Hideki Matsuda¹, Masahiro Takahashi¹, Daisuke Sano¹, Yasuhiro Arai¹¹*Department of Otorhinolaryngology, Head and Neck Surgery Yokohama City University School of Medicine, Japan***P-042 Epidural Abscess Due to Foreign-Body Insertion into the External Auditory Canal in Autism**Risa Kurihara¹, Yasushi Naito¹, Keizo Fujiwara¹, Shogo Shinohara¹, Masahiro Kikuchi¹, Hiroshi Yamazaki¹, Ippei Kishimoto¹, Hiroyuki Harada¹¹*Kobe City Medical Center General Hospital, Kobe, Japan*

- P-043 Relationship between the Findings of Tympanic Membrane and the Habit of Sniffing among Cholesteatoma**
 Yoshinori Takizawa¹, Kunihiro Mizuta¹, Takashi Yamatodani¹, Kumiko Hosokawa¹, Hiroshi Nakanishi¹, Goro Takahashi¹, Kenichi Sugiyama¹, Jun Okamura¹, Hiroyuki Mineta¹
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- P-044 A Case of Brain Abscess Secondary to Middle Ear Cholesteatoma**
 Yasuhiro Arai¹, Hideki Matsuda¹, Masahiro Takahashi¹, Daisuke Sano¹, Naoko Sakuma¹, Hideaki Takahashi¹
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- P-045 Surgical Treatment for Aberrant Internal Carotid Artery with Pulsatile Tinnitus: A Case Report.**
 Yohei Honkura¹, Jun Ohta², Shigeki Gorai², Toshimitsu Kobayashi³
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- P-046 Clinical Analysis of 217 Cases of Sudden Sensorineural Hearing Loss**
 In Hyo Lee¹, Kyu Rin Hwang¹, Koen Hyung Lee¹, Hyo Jin Kim¹, Byung Don Lee¹
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- P-047 Surgery for Middle Ear Cholesteatoma Due to Central Perforation of the Tympanic Membrane**
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- P-048 Comparison of Inpatient and Outpatient Based Treatment for Sudden Sensorineural Hearing Loss**
 Yong-Soo Park¹, Eun-Ju Jeon¹, Dong Hyun Kim¹
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- P-049 Stapes Surgery in a Case of Van der Hoeve Syndrome.**
 Isamu Kunibe¹, Akihiro Katada¹, Kan Kishibe¹, Tatsuya Hayashi¹, Yasuaki Harabuchi¹
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P-050 Short-Term Changes of Distortion Product Otoacoustic Emissions on Patients with Sudden Hearing LossHwan Ho Lee¹, Yong Hyeon No¹*¹Department of Otolaryngology-Head and Neck Surgery, Kosin University College of Medicine, Busan, Korea***P-051 Cholesteatoma Surgery in Elderly Patients**Felippe Felix¹, Shiro Tomita¹, Camila Teixeira Conde Moraes¹, Debora Petrungaro Migueis¹*¹Universidade Federal do Rio de Janeiro, Brazil***P-052 Use of Liquid Embolic Agent as an Adjuvant in Paraganglioma Surgery**Felippe Felix¹, Gustavo Rangel¹, Isabelle Mury¹, Marcio Araujo¹, Luanda Guimaraes¹, Diogo Aquino¹*¹Hospital Servidores do Estado do Rio de Janeiro, Brazil***P-053 Compressive Dressing by Suture Transfixion of Silicone Sheets After Preauricular Sinus Excision**Kyungwook Heo¹, Jaeryong Kim¹, Cheolmin Yang², Jaeyeong Park³, Hwanho Lee⁴*¹Department of Otorhinolaryngology-Head & Neck Surgery, Inje University Busan Paik Hospital, Korea**²Good morning ENT clinic, Korea**³Medical ENT clinic, Korea**⁴Department of Otorhinolaryngology-Head & Neck Surgery, Kosin University, Korea***P-054 Regeneration of Mastoid Cavity Using Poly-Glycolic Acid (PGA) Sheet**Takayuki Kawashima¹, Yumi Ohta², Taro Hasegawa², Hironori Takebayashi¹, Takahiro Kitamura¹, Emi Maeda¹, Osamu Senba¹, Hidenori Inohara²*¹Department of Otolaryngology-Head and neck surgery, Osaka Kouseinenkin Hospital, Osaka, Japan**²Department of Otolaryngology-Head and neck surgery, Osaka University, Graduate School of Medicine, Japan***P-055 Reduction in the Rate of Reperforation after Simple Underlay Myringoplasty with Fibrin Glue.**Yasuhiro Manabe¹, Kazuhiro Ougi¹, Yukihiro Kimura², Takehisa Saito², Shigeharu Fujieda²*¹The Department of Otorhinolaryngology, Shinseikai Toyama Hospital, Toyama, Japan**²Otorhinolaryngology Head and Neck Surgery, University of Fukui, Fukui, Japan***P-056 Large-Scale Proteomic Analysis of Cholesteatoma**Anders Britze¹, Johan Palmfeldt², Niels Gregersen², Therese Ovesen¹*¹Dept. of Oto-Rhino-Laryngology, Aarhus University Hospital, Denmark**²Research Unit for Molecular Medicine, Aarhus University hospital, Denmark*

P-057 Regeneration of Mastoid Air Cells using Polycaprolactone β Tricalcium Phosphate Biocomposites

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P-058 Clinical Report of Incidental but Potentially Fatal Congenital Mastoid Cholesteatoma.

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P-059 Petrous Bone Cholesteatoma Removed by Trans-SSCC Approach: Long-term Hearing Results in Three Cases

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P-060 Thirteen Cases of Petrous Bone Cholesteatoma (PBC)

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P-061 Middle Cranial Fossa Approach for Petrous Bone Cholesteatoma Extending to Internal Auditory Canal

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P-062 Expression of Involucrin, Filaggrin and Cytokeratins in the Congenital and Acquired Cholesteatoma

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P-063 Cholesteatoma-Associated Pathogenicity: Potential Role of Lysosomal Exoglycosidases

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P-064 Comparison of Genome-wide Gene Expression in Normal Skin and Middle Ear Cholesteatoma

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P-065 Extramedullary Relapse of Acute Myeloide Leukemia Mimetizing Necrotizing External Otitis

Felippe Felix¹, Jaqueline Quintanilha¹, Fabiana Chagas¹, Maria Helena Barbosa¹, Marise Marques¹, Shiro Tomita¹, Sergio Souza¹

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P-066 Chronic Inflammatory Lesion of Temporal Bone Involving Inner Ear with Multiple Ocular Muscles Palsy

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P-067 Evaluation of Epithelial Proliferation Capacity in Congenital Cholesteatoma

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P-068 Bacteriologic Study of Chronic Suppurative Otitis Media

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P-069 Third Windows as a Cause of Failure in Hearing Gain after Exploratory Tympanotomy

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P-070 Radiological Analysis of High Jugular Bulb by Computed Tomography

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P-071 Prevalence of Superior Semicircular Canal Dehiscence and Overlying Bone Thickness in CT

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P-072 Calcium Hydroxylapatite Injection for the Patulous Eustachian Tube

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P-073 Inferior Colliculus Response to Electrical Stimulation of the Cochlea in the Rat

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P-074 Complex Case of Petrous Bone Cholesteatoma, Fisch Infratemporal Fossa Type B with Transotic Approach

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P-075 The Ear Canal Resonance Gain Affected by Small to Medium Sized Tympanic PerforationsChin-Kuo Chen^{1,2,3}, Che-Ming Wu¹, Wen-Ta Chiu², Chien-Huang Lin²¹*Department of Otolaryngology-Head and Neck Surgery, Chang Gung Memorial Hospital, Chang Gung University, Taoyuan, Taiwan (R.O.C.)*²*Graduate Institute of Clinical Medicine, College of Medicine, Taipei Medical University, Taiwan*³*Craniofacial center, Chang Gung Memorial Hospital, Taipei, Taiwan***P-076 Clinical Efficacy of Middle Ear Ventilation Tube Insertion Against Intractable Acute Otitis Media.**Akihisa Togawa¹, Muneki Hotomi¹, Shinji Tamura¹, Shin Takei¹, Masamitsu Kono¹, Noboru Yamanaka¹¹*Department of Otolaryngology-Head and Neck Surgery, Wakayama Medical University, Wakayama, Japan***P-077 Construction of Mastoid Air Cells Using Autologous Cortical Bone**Ken-ichi Kaneko¹, Shin-ichi Kanemaru², Rie Kanai², Atsushi Yamada³, Haruo Takahashi¹¹*Department of Otolaryngology-Head and Neck Surgery, Nagasaki University Graduate School of Biomedical Sciences, Japan*²*Department of Otolaryngology-Head and Neck Surgery, Kitano Hospital, Japan*³*Department of Radiology, Fukui Red Cross Hospital, Japan***P-078 Postoperative Condition Following Canal Wall Up Tympanoplasty for Pars Flaccida Cholesteatoma**Keiji Matsuda¹, Tetsuya Tono¹, Shinya Sato¹, Haruka Nakanishi¹, Takashi Goto¹, Hidekazu Naono¹, Tamotsu Morimitsu¹¹*University of Miyazaki, Japan***P-079 An Analysis of the Prognostic Factors of Primary Acquired Pars Flaccida Cholesteatoma.**Ryo Suzuki¹, Shinichi Sato¹, Tomoyuki Haji¹¹*Department of Otolaryngology, Head and Neck Surgery, Kurashiki Central Hospital, Okayama, Japan***P-080 Mastoid Cavity Obliteration with Palva Flap and Bone Pate**Samad Ghiasis¹, Godrat Mohammadi¹¹*Otolaryngology Department, Tabriz University of Medical Sciences, Iran***P-081 Modified Bondy Technique for Epitympanic Cholesteatoma : Short and Long-term Results**Masaya Konishi¹, Filippo Di Lella², Anna Lisa Giannuzzi², Antonio Caruso², Enrico Piccirillo², Maurizio Falcioni², Alessandra Russo², Mario Sanna²¹*Department of otolaryngology-head and neck surgery, Kansai Medical University, Osaka, Japan*²*Gruppo Otológico, piacenza, Italy*

P-082 Clinical Efficacy of Cartilage Shield Type III Tympanoplasty in Medialized Malleus HandleMoo Jin Baek¹, Eui-Kyeong Bang², Kyu Hwan Jung¹¹*Department of Otorhinolaryngology- Head and Neck Surgery, Haeundae Paik Hospital, Inje University College of Medicine, Busan, Korea*²*Department of Otolaryngology, Busan Veteran's Hospital, Busan, Korea***P-083 Epitympanoplasty with Mastoid Obliteration Technique : A Long Term Study of Results**Tae Woo Gu¹, Min Young Kang¹, Dong Kun Lee¹, Sung-Wook Jeong¹, Lee Suk Kim¹¹*Department of Otolaryngology-Head and Neck Surgery, Dong-A university College of Medicine, Korea***P-084 Our Experience of Management of Labyrinthine Fistula Caused by Cholesteatoma**Teruyuki Sato¹, Kazuo Ishikawa¹¹*Department of Otorhinolaryngology, Head & Neck surgery, Akita University, Graduate school of medicine, Akita, Japan***P-085 Evaluation of Planned Staged Tympanoplasty for the Treatment of Cholesteatoma.**Akihiro Katada¹, Isamu Kunibe¹, Kan Kishibe¹, Kenichro Nomura¹, Miki Takahara¹, Tasuya Hayashi¹, Yasuaki Harabuchi¹¹*Department of Otolaryngology Head and Neck Surgery, Asahikawa Medical University, Asahikawa, Japan***P-086 A Case of Adult Meningitis due to Inner Ear Malformation**Masahiro Takahashi¹, Hideki Matsuda¹, Daisuke Sano¹, Naoko Sakuma¹, Yasuhiro Arai¹¹*Department of Otolaryngology, Head and Neck Surgery, Yokohama City University School of Medicine, Yokohama, Japan***P-087 The Effect of Corticosteroid Embedded Gauze Application on Dry Ear**Umit Taskin¹, Bilgehan Guntekin¹, Kadir Yucebas¹, Kadir Ozdamar¹, Mehmet Faruk Oktay¹¹*Bagcilar Education and Research Hospital, Otorhinolaryngology Department, Istanbul, Turkey***P-088 The Effectiveness of Tympanic Attic Obliteration to Prevent Post-operative Retraction Pocket.**Hiroaki Shimogori¹, Kazuma Sugahara¹, Hiroshi Yamashita¹¹*Department of Otolaryngology, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan*

P-089 CWU Mastoid Obliteration in Cholesteatoma Surgery. Recidivism and Hearing Results of 164 Cases.

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P-090 Results of Canal Wall Down Tympanoplasty with Soft-wall Reconstruction for Cholesteatoma

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P-091 Two Cases of Ossicular Anomalies Treated with Cartilage Interposition Technique

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P-092 Long -term Results of Reconstruction of Lateral Attic Wall Using Conchalcartilage

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P-093 Remodeling of the Canal using Autologous Costal Cartilage in Patient with Cholesteatoma

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P-094 The Long Term Results and Prognostic Factor in Single-stage Tympanoplasty

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P-095 Ossicular Reconstruction with the Teflon piston in Cases of Inadequate Incus and Absent Stapes

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- P-096 Outcome of Cholesteatoma Surgery Based on the Japanese Otological Society Staging Method**
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- P-097 Novel Myringoplasty Method using a Thick Volume of Subcutaneous Connective tissue.**
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- P-098 Myringoplasty using the Thin Sliced Cartilage for Intratympanic Graft Support**
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- P-099 Endoscopic Ear Surgery using an Ultrasonic Surgical System**
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- P-100 Treatment of Congenital Cholesteatoma via Minimally Invasive Transtympanic Approach**
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- P-101 Effectiveness of Ossiculoplasty after Erosion of the Incus in Children with Cholesteatoma**
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- P-102 Choices of Grafting Material in Endoscopic Tympanoplasty**
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- P-103 Two Cases of Giant Cell Reparative Granuloma of the Temporal Bone**
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- P-104 Audiological Results after Type I Tympanoplasty with Cartilage Graft Versus Fascia Graft**
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- P-105 Repair of Cerebrospinal Fluid Otorrhea from Middle Cranial Fossa via Transmastoid Approach**
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- P-106 Usefulness of the Attic Reconstruction using the Tragal Cartilage in Attic Cholesteatoma**
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- P-107 Effects of Early Commercial Air Travel on Graft Healing Rates after Tympanoplasty**
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- P-108 The Short-Term Hearing Results of Canal Wall Down Mastoidectomy without Meatoplasty**
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- P-109 Endoscopic Evaluation of the Middle Ear through the Posterior Tympanotomy.**
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- P-110 Cancelled**
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- P-111 Postoperative Mastoid Growth and Complications of Ventilation Tube Insertion in Children with OME**
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P-112 Relationship Between Vitamin B12, MMA Levels and Tinnitus Severity in Acoustic Trauma PatientsBilal Cetin¹, Omer Saglam², Engin Dursun², Ugur Karapinar³¹*Gumussuyu Asker Hastanesi Kulak Burun Bogaz Servisi Taksim Beyoglu Istanbul Turkey*²*Kasimpasa Asker Hastanesi Kulak Burun Bogaz Servisi Taksim Beyoglu Istanbul Turkey*³*Bursa Asker Hastanesi Kulak Burun Bogaz Servisi Taksim Beyoglu Istanbul Turkey***P-113 Psychological State of Patients with Patulous Eustachian Tube**Momoko Ise¹, Ryosei Minoda¹, Eiji Yumoto¹¹*Department of Otolaryngology-Head and Neck Surgery, Kumamoto University, Graduate school of Medicine, Japan***P-114 Hearing Status in Idiopathic Nephrotic Syndrome**Priti Lal¹, T S Sidhu¹, Abhijeet Saha¹, Vivek Gupta¹, N K Dubey¹, Vinita Batra²¹*Dr Ram Manohar Lohia Hospital, New Delhi, India*²*G B Pant Hospital, New Delhi, India***P-115 Large Aggressive Cholesterol Granuloma of the Middle Ear Eroding the Middle Cranial Fossa**Tessei Kuruma¹, Masato Miyoshi¹, Yoshimasa Tsuchiya¹, Toru Tanigawa², Tetsuya Ogawa², Hiromi Ueda²¹*Department of Otolaryngology, Nagoya Ekisaikai Hospital, Nagoya, Japan*²*Department of Otolaryngology, Aichi Medical University, Nagakute, Japan***P-116 An Adult Case of Perilymph Gusher Caused by Head Contusion**Takeshi Matsunobu¹, Daisuke Kamide¹, Atsushi Tamura¹, Takaomi Kurioka¹, Katsuki Niwa¹, Yuya Tanaka¹, Masayuki Tomifuji¹, Akihiro Shiotani¹¹*Department of Otolaryngology-Head and Neck Surgery, National Defense Medical College, Japan***P-117 Chorda Tympani Nerve Repair with a Polyglycolic Acid-collagen Tube in the Cholesteatoma Surgery**Toshiaki Yamanaka¹, Takayuki Murai¹, Takehiko Kobayashi¹, Hideyuki Okamoto¹, Hiroshi Hosoi¹, Yuji Inada², Tatsuo Nakamura³¹*Department of Otolaryngology-Head and Neck Surgery, Nara Medical University School of Medicine, Nara, Japan*²*Department of Orthopedic surgery, Inada Hospital, Japan*³*Department of Bioartificial Organs. Institute for Frontier Medical Science, Kyoto University, Japan*

- P-118 An Alternative In-the-canal Hearing Aids Ear Impression Moulds Technique Using HRCT**
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- P-119 Clinical Observations in 20 Cases of Post-Inflammatory Medial Meatal Fibrosis**
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- P-120 Two Cases Of Carcinoid Tumor of the Middle Ear**
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- P-121 Surgical Management of First Branchial Cleft Anomaly Presenting as Infected Retroauricular Mass**
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- P-122 When Should Retained Paparella Type I Tympanostomy Tubes Be Removed in Asymptomatic Children?**
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- P-123 Clinical Analysis of Carcinoma of the External and Middle Ear**
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